

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/629,913A  
Source: IFW/6  
Date Processed by STIC: 5/5/05

***ENTERED***



IFW16

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/629,913A

DATE: 05/05/2005

TIME: 10:07:53

Input Set : A:\sequence listing.txt  
 Output Set: N:\CRF4\05052005\J629913A.raw

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3 <110> APPLICANT: GARABEDIAN, Michael
4           WANG, Zhen
6 <120> TITLE OF INVENTION: ANTIBODIES THAT RECOGNIZE AND BIND PHOSPHORYLATED HUMAN
7           GLUCOCORTICOID RECEPTOR AND METHODS OF USING SAME
9 <130> FILE REFERENCE: GARABEDIAN=2A
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/629,913A
C--> 11 <141> CURRENT FILING DATE: 2003-07-30
11 <150> PRIOR APPLICATION NUMBER: 60/402,706
12 <151> PRIOR FILING DATE: 2002-08-13
14 <160> NUMBER OF SEQ ID NOS: 4
16 <170> SOFTWARE: PatentIn version 3.3
18 <210> SEQ ID NO: 1
19 <211> LENGTH: 14
20 <212> TYPE: PRT
21 <213> ORGANISM: Artificial
23 <220> FEATURE:
24 <223> OTHER INFORMATION: Synthetic
27 <220> FEATURE:
28 <221> NAME/KEY: misc_feature
29 <222> LOCATION: (10)..(10)
30 <223> OTHER INFORMATION: Residue 10 is phosphorylated.
32 <400> SEQUENCE: 1
34 Leu Gln Asp Leu Glu Phe Ser Ser Gly Ser Pro Gly Lys Glu
35 1           5           10
38 <210> SEQ ID NO: 2
39 <211> LENGTH: 14
40 <212> TYPE: PRT
41 <213> ORGANISM: Artificial
43 <220> FEATURE:
44 <223> OTHER INFORMATION: Synthetic
47 <220> FEATURE:
48 <221> NAME/KEY: misc_feature
49 <222> LOCATION: (10)..(10)
50 <223> OTHER INFORMATION: Residue 10 is phosphorylated.
52 <400> SEQUENCE: 2
54 Gly Ser Pro Gly Lys Glu Thr Asn Glu Ser Pro Trp Arg Ser
55 1           5           10
58 <210> SEQ ID NO: 3
59 <211> LENGTH: 13
60 <212> TYPE: PRT
61 <213> ORGANISM: Artificial
63 <220> FEATURE:
64 <223> OTHER INFORMATION: Synthetic

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67 <220> FEATURE:
68 <221> NAME/KEY: misc_feature
69 <222> LOCATION: (9)..(9)
70 <223> OTHER INFORMATION: residue 9 is phosphorylated
72 <400> SEQUENCE: 3
74 Leu Leu Ile Asp Glu Asn Leu Leu Ser Pro Leu Ala Gly
75 1           5           10
78 <210> SEQ ID NO: 4
79 <211> LENGTH: 777
80 <212> TYPE: PRT
81 <213> ORGANISM: Homo sapiens
83 <400> SEQUENCE: 4
85 Met Asp Ser Lys Glu Ser Leu Thr Pro Gly Arg Glu Glu Asn Pro Ser
86 1           5           10           15
89 Ser Val Leu Ala Gln Glu Arg Gly Asp Val Met Asp Phe Tyr Lys Thr
90 20          25          30
93 Leu Arg Gly Gly Ala Thr Val Lys Val Ser Ala Ser Ser Pro Ser Leu
94 35          40          45
97 Ala Val Ala Ser Gln Ser Asp Ser Lys Gln Arg Arg Leu Leu Val Asp
98 50          55          60
101 Phe Pro Lys Gly Ser Val Ser Asn Ala Gln Gln Pro Asp Leu Ser Lys
102 65          70          75          80
105 Ala Val Ser Leu Ser Met Gly Leu Tyr Met Gly Glu Thr Glu Thr Lys
106 85          90          95
109 Val Met Gly Asn Asp Leu Gly Phe Pro Gln Gln Gly Gln Ile Ser Leu
110 100         105         110
113 Ser Ser Gly Glu Thr Asp Leu Lys Leu Leu Glu Ser Ile Ala Asn
114 115         120         125
117 Leu Asn Arg Ser Thr Ser Val Pro Glu Asn Pro Lys Ser Ser Ala Ser
118 130         135         140
121 Thr Ala Val Ser Ala Ala Pro Thr Glu Lys Glu Phe Pro Lys Thr His
122 145         150         155         160
125 Ser Asp Val Ser Ser Glu Gln Gln His Leu Lys Gly Gln Thr Gly Thr
126 165         170         175
129 Asn Gly Gly Asn Val Lys Leu Tyr Thr Thr Asp Gln Ser Thr Phe Asp
130 180         185         190
133 Ile Leu Gln Asp Leu Glu Phe Ser Ser Gly Ser Pro Gly Lys Glu Thr
134 195         200         205
137 Asn Glu Ser Pro Trp Arg Ser Asp Leu Leu Ile Asp Glu Asn Cys Leu
138 210         215         220
141 Leu Ser Pro Leu Ala Gly Glu Asp Asp Ser Phe Leu Leu Glu Gly Asn
142 225         230         235         240
145 Ser Asn Glu Asp Cys Lys Pro Leu Ile Leu Pro Asp Thr Lys Pro Lys
146 245         250         255
149 Ile Lys Asp Asn Gly Asp Leu Val Leu Ser Ser Pro Ser Asn Val Thr
150 260         265         270
153 Leu Pro Gln Val Lys Thr Glu Lys Glu Asp Phe Ile Glu Leu Cys Thr
154 275         280         285
157 Pro Gly Val Ile Lys Gln Glu Lys Leu Gly Thr Val Tyr Cys Gln Ala

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158	290	295	300	
161	Ser Phe Pro Gly Ala Asn Ile Ile Gly Asn Lys Met Ser Ala Ile Ser			
162	305	310	315	
165	Val His Gly Val Ser Thr Ser Gly Gly Gln Met Tyr His Tyr Asp Met		320	
166	325	330	335	
169	Asn Thr Ala Ser Leu Ser Gln Gln Gln Asp Gln Lys Pro Ile Phe Asn			
170	340	345	350	
173	Val Ile Pro Pro Ile Pro Val Gly Ser Glu Asn Trp Asn Arg Cys Gln			
174	355	360	365	
177	Gly Ser Gly Asp Asp Asn Leu Thr Ser Leu Gly Thr Leu Asn Phe Pro			
178	370	375	380	
181	Gly Arg Thr Val Phe Ser Asn Gly Tyr Ser Ser Pro Ser Met Arg Pro			
182	385	390	395	400
185	Asp Val Ser Ser Pro Pro Ser Ser Ser Thr Ala Thr Thr Gly Pro			
186	405	410	415	
189	Pro Pro Lys Leu Cys Leu Val Cys Ser Asp Glu Ala Ser Gly Cys His			
190	420	425	430	
193	Tyr Gly Val Leu Thr Cys Gly Ser Cys Lys Val Phe Phe Lys Arg Ala			
194	435	440	445	
197	Val Glu Gly Gln His Asn Tyr Leu Cys Ala Gly Arg Asn Asp Cys Ile			
198	450	455	460	
201	Ile Asp Lys Ile Arg Arg Lys Asn Cys Pro Ala Cys Arg Tyr Arg Lys			
202	465	470	475	480
205	Cys Leu Gln Ala Gly Met Asn Leu Glu Ala Arg Lys Thr Lys Lys			
206	485	490	495	
209	Ile Lys Gly Ile Gln Gln Ala Thr Thr Gly Val Ser Gln Glu Thr Ser			
210	500	505	510	
213	Glu Asn Pro Gly Asn Lys Thr Ile Val Pro Ala Thr Leu Pro Gln Leu			
214	515	520	525	
217	Thr Pro Thr Leu Val Ser Leu Leu Glu Val Ile Glu Pro Glu Val Leu			
218	530	535	540	
221	Tyr Ala Gly Tyr Asp Ser Ser Val Pro Asp Ser Thr Trp Arg Ile Met			
222	545	550	555	560
225	Thr Thr Leu Asn Met Leu Gly Gly Arg Gln Val Ile Ala Ala Val Lys			
226	565	570	575	
229	Trp Ala Lys Ala Ile Pro Gly Phe Arg Asn Leu His Leu Asp Asp Gln			
230	580	585	590	
233	Met Thr Leu Leu Gln Tyr Ser Trp Met Phe Leu Met Ala Phe Ala Leu			
234	595	600	605	
237	Gly Trp Arg Ser Tyr Arg Gln Ser Ser Ala Asn Leu Leu Cys Phe Ala			
238	610	615	620	
241	Pro Asp Leu Ile Ile Asn Glu Gln Arg Met Thr Leu Pro Cys Met Tyr			
242	625	630	635	640
245	Asp Gln Cys Lys His Met Leu Tyr Val Ser Ser Glu Leu His Arg Leu			
246	645	650	655	
249	Gln Val Ser Tyr Glu Glu Tyr Leu Cys Met Lys Thr Leu Leu Leu			
250	660	665	670	
253	Ser Ser Val Pro Lys Asp Gly Leu Lys Ser Gln Glu Leu Phe Asp Glu			
254	675	680	685	

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257 Ile Arg Met Thr Tyr Ile Lys Glu Leu Gly Lys Ala Ile Val Lys Arg  
258 690 695 700  
261 Glu Gly Asn Ser Ser Gln Asn Trp Gln Arg Phe Tyr Gln Leu Thr Lys  
262 705 710 715 720  
265 Leu Leu Asp Ser Met His Glu Val Val Glu Asn Leu Leu Asn Tyr Cys  
266 725 730 735  
269 Phe Gln Thr Phe Leu Asp Lys Thr Met Ser Ile Glu Phe Pro Glu Met  
270 740 745 750  
273 Leu Ala Glu Ile Ile Thr Asn Gln Ile Pro Lys Tyr Ser Asn Gly Asn  
274 755 760 765  
277 Ile Lys Lys Leu Leu Phe His Gln Lys  
278 770 775

RAW SEQUENCE LISTING ERROR SUMMARY                    DATE: 05/05/2005  
PATENT APPLICATION: US/10/629,913A                    TIME: 10:07:54

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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3

**VERIFICATION SUMMARY**

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DATE: 05/05/2005

TIME: 10:07:54

Input Set : A:\sequence listing.txt

Output Set: N:\CRF4\05052005\J629913A.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date